

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name              | Class    | Subclass |
|------------------------|----------------|--------------------|----------|-------------------|----------|----------|
|                        | AA1            | 5,824,056          | 10/20/98 | Rosenberg         | 623/1    | 606/191  |
|                        | AB1            | 5,849,206          | 12/15/98 | Amon, et al.      | 216/63   | 216/37   |
|                        | AC1            | 5,858,556          | 1/12/99  | Eckert, et al.    | 428/586  | 428/662  |
|                        | AD1            | 5,873,904          | 2/23/99  | Ragheb, et al.    | 623/1    | 623/11   |
|                        | AE1            | 5,725,573          | 3/10/98  | Dearmaley, et al. | 623/2    | 427/2.25 |
|                        | AF1            | 5,605,714          | 2/25/97  | Dearmaley, et al. | 427/2.24 | 427/2.25 |
|                        | AG1            | 4,846,834          | 7/11/89  | von Recum, et al. | 623/11   | 623/66   |
|                        | AH1            | 5,984,905          | 11/16/99 | Dearmaley, et al. | 604/265  | 427/2.24 |
|                        | AI1            | 4,751,099          | 6/14/88  | Niino, et al.     | 427/34   | 427/423  |
|                        | AJ1            | 4,510,182          | 4/9/85   | Cornils, et al.   | 427/162  | 427,165  |
|                        | AK1            | 5,242,710          | 9/7/93   | Claar, et al.     | 427/248  | 427/249  |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date     | Country | Class | Subclass       | Trans.<br>Yes No |
|----------------|--------------------|----------|---------|-------|----------------|------------------|
| AL1            | 97/44692           | 11/27/97 | WIPO    | G02B  | 6/16           |                  |
| AM1            | 98/45506           | 10/15/98 | WIPO    | C25D  | 7/04 B23H      |                  |
| AN1            | 98/13537           | 4/2/98   | WIPO    | C25D  | 1/00 C23F 1/02 |                  |
| AO1            | 99/23977           | 5/20/99  | WIPO    | A61F  | 2/06           |                  |
| AP1            | 61-88135           |          | Japan   |       |                |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR1 "Liquid Sources for Chemical Vapor Deposition of Group 6 Metals and Metal Nitrides" by Gordon, et al., [www.techtransfer.harvard.edu/cgi-bin/TALSearch.cgi?full\\_report=1&case=3](http://www.techtransfer.harvard.edu/cgi-bin/TALSearch.cgi?full_report=1&case=3), Case Number 1709

AS1 "Fabrication of Small-Scale Coils and Bands as Photomasks on Optical Fibers for Generation of In-Fiber Gratings, Electromagnets as Micro-NMR Coils, Microtransformers, and Intra-Vascular Stents" [www.techtransfer.harvard.edu/cgi-bin/TALSearch.cgi?full\\_report=1&case=72](http://www.techtransfer.harvard.edu/cgi-bin/TALSearch.cgi?full_report=1&case=72), Case Number 1263

AT1 "Reactions of Biological Cells to Nanostructures", by Curtis, et al., AVS 46<sup>th</sup> International Symposium, Paper BI-WeM2 (October 27, 1999)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



**FORM PTO - 1449 (Modified)**  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107  
APPLICANT: C. Boyle et al.  
FILING DATE: September 26, 2003  
SERIAL NO: 10/672,695  
GROUP: 3731

### U.S. PATENT DOCUMENTS

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name              | Class      | Subclass   |
|------------------------|----------------|--------------------|----------|-------------------|------------|------------|
|                        | AA2            | 5,899,935          | 5/4/99   | Ding              | 623/1      | 623/12     |
|                        | AB2            | 5,723,219          | 3/3/98   | Kolluri           | 428/411.1  | 428/407    |
|                        | AC2            | 5,811,151          | 9/22/98  | Hendricks, et al. | 427/2.24   | 427/2.3    |
|                        | AD2            | 5,866,113          | 2/2/99   | Hendricks, et al. | 424/78.17  | 424/78.18  |
|                        | AE2            | 5,084,151          | 1/28/92  | Vallana           | 204/192.11 | 204/192.14 |
|                        | AF2            | 5,477,864          | 12/26/95 | Davidson          | 128/771    |            |
|                        | AG2            | 5,607,463          | 3/4/97   | Schwartz, et al.  | 623/1      | 623/12     |
|                        | AH2            | 5,609,629          | 3/1/97   | Fearnott, et al.  | 623/1      | 623/11     |
|                        | AI2            | 5,647,858          | 7/15/97  | Davidson          | 604/264    |            |
|                        | AJ2            | 5,649,951          | 7/22/97  | Davidson          | 606/198    |            |
|                        | AK2            | 5,690,670          | 11/25/97 | Davidson          | 606/198    | 606/191    |

### FOREIGN PATENT DOCUMENTS

| Ref.<br>Desig. | Document<br>Number | Date       | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------------|---------|-------|----------|------------------|
| AL2            | 99/16385           | 04/08/1999 | PCT     | A61F  | 2/06     |                  |
| AM2            | 00/04204           | 01/24/2000 | PCT     | C23C  | 14/34    |                  |
| AN2            | 00/18327           | 04/06/2000 | PCT     | A61F  | 2/06     |                  |
| AO2            | 00/54704           | 09/21/2000 | PCT     | A61F  | 2/06     |                  |
| AP2            | 01/21852           | 03/29/2001 | WIPO    | C23C  | 14/34    |                  |

### OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR2 "Biocompatibility of Cardiac Cells on Silane-Modified Surfaces" AVS 46<sup>th</sup> International Symposium, Paper BI-WeM5 (October 27, 1999)

AS2 "Biofunctionalization of Surfaces with Peptide Amphiphiles" AVS 46<sup>th</sup> International Symposium, Paper No. BI-WeM7 (October 27, 1999)

AT2 "Plasma Copolymer Surfaces for Cell Culture" AVS 46<sup>th</sup> International Symposium, Paper No. Paper BI-WeM9 (October 27, 1999)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 373 I

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name             | Class   | Subclass |
|------------------------|----------------|--------------------|----------|------------------|---------|----------|
|                        | AA3            | 5,735,896          | 4/7/98   | Amon, et al.     | 623/11  | 623/1    |
|                        | AB3            | 5,765,418          | 6/16/98  | Rosenberg        | 72/47   | 72/42    |
|                        | AC3            | 5,772,864          | 6/30/98  | Moller, et al.   | 205/73  | 205/75   |
|                        | AD3            | 5,782,910          | 7/21/98  | Davidson         | 623/3   |          |
|                        | AE3            | 5,824,049          | 10/20/98 | Ragheb           | 623/1   | 623/11   |
|                        | AF3            | 5,728,158          | 3/17/98  | Lau, et al.      | 623/12  | 606/194  |
|                        | AG3            | 5,840,009          | 11/24/98 | Fischell, et al. | 600/3   |          |
|                        | AH3            | 5,782,908          | 7/21/98  | Cahalan, et al.  | 623/1   | 623/11   |
|                        | AI3            | 6,042,597          | 3/28/00  | Kveen, et al.    | 606/198 | 623/1    |
|                        | AJ3            | 6,071,305          | 6/6/00   | Brown, et al.    | 623/1   | 623/12   |
|                        | AK3            | 5,972,027          | 10/26/99 | Johnson          | 623/1   | 623/12   |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date       | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------------|---------|-------|----------|------------------|
| AL3            | 01/37892           | 05/31/2001 | WIPO    | A61L  | 31/04    |                  |
| AM3            | 01/43790           | 06/21/2001 | WIPO    | A61L  | 33/02    |                  |
| AN3            | 01/49340           | 07/12/2001 | WIPO    | A61L  | 31/18    |                  |
| AO3            | 01/53559           | 07/26/2001 | WIPO    | C23C  | 14/14    |                  |
| AP3            | 01/55473           | 08/02/2001 | WIPO    | C23C  | 14/00    |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR3 "Plasma Co-polymer Surfaces for the Controlled Adsorption of Common Proteins" AVS 46<sup>th</sup> International Symposium, Paper No. BI-FrM2 (October 29, 1999)

AS3 "Biofilm - Titanium Chemistry of Adhesion Using X-ray Photoelectron Spectroscopy" AVS 46<sup>th</sup> International Symposium, Paper No. BI-FrM8

AT3 "Nanoscale Patterning of Gold for Attachment of Supported Lipid Bilayers" AVS 46<sup>th</sup> International Symposium, Paper No. BI-FrM10

EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date       | Name             | Class     | Subclass  |
|------------------------|----------------|--------------------|------------|------------------|-----------|-----------|
|                        | AA4            | 6,086,773          | 7/11/00    | Dufresne, et al. | 216/8     | 216/48    |
|                        | AB4            | 5,630,840          | 5/20/97    | Mayer            | 623/1     | 623/11    |
|                        | AC4            | 5,955,588          | 9/21/99    | Tsang, et al.    | 536/21    | 514/56    |
|                        | AD4            | 5,968,091          | 10/19/99   | Pinchuk, et al.  | 623/1     | 600/36    |
|                        | AE4            | 5,962,138          | 10/5/99    | Kolluri, et al.  | 428/411.1 | 428/407   |
|                        | AF4            | 5,387,247          | 2/7/95     | Vallana, et al.  | 623/2     | 623/12    |
|                        | AG4            | 5,972,018          | 10/26/1999 | Israel et al.    | 606/198   |           |
|                        | AH4            | 6,106,642          | 8/22/00    | DiCarlo, et al.  | 148/563   | 148/675   |
|                        | AI4            | 5,891,507          | 4/6/99     | Jayaraman        | 427/2.25  | 427/318   |
|                        | AJ4            | 5,744,515          | 4/28/98    | Clapper          | 523/113   | 523/114   |
|                        | AK4            | 5,932,299          | 8/3/99     | Katoot           | 427/508   | 427/385.5 |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date     | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|----------|---------|-------|----------|------------------|
| AL4            | 01/21851           | 3/29/01  | WIPO    | C23C  | 14/34    |                  |
| AM4            | 01/85064           | 11/15/01 | WIPO    | A61F  | 2/06     |                  |
| AN4            | 97/07257           | 2/29/97  | WIPO    | C23C  | 14/00    |                  |
| AO4            | 1452370            | 3/21/74  | Germany | C21C  | 37/15    |                  |
| AP4            | 0 400 947          | 12/5/90  | EPO     | C23C  | 16/26    |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR4 "Focused Ion Beam Non-Fabrication", <http://www.glue.umd.edu/~astan/avs04.htm>

AS4 "Amorphous Carbon and C:N Thin Films" <http://www.glue.umd.edu/~astan/avs01.htm>

AT4 "Multilayer Ceramic/Metallic Coatings by Ion Beam-Assisted, Electron Beam Physical Vapor (EB-PVD) Deposition, Penn State Applied Research Laboratory, pp. 1-4 (1997)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date       | Name              | Class   | Subclass |
|------------------------|----------------|--------------------|------------|-------------------|---------|----------|
|                        | AA5            | 5,683,453          | 11/4/97    | Palmaz            | 623/1   | 623/12   |
|                        | AB5            | 5,656,036          | 8/12/97    | Palmaz            | 623/12  | 606/195  |
|                        | AC5            | 5,938,697          | 8/17/99    | Killion, et al.   | 623/1   | 623/12   |
|                        | AD5            | 5,938,682          | 8/17/99    | Hojeibane, et al. | 606/198 | 623/1    |
|                        | AE5            | 5,913,896          | 6/22/99    | Boyle, et al.     | 623/1   | 623/11   |
|                        | AF5            | 5,879,370          | 3/9/99     | Fischell, et al.  | 606/198 | 623/1    |
|                        | AG5            | 5,868,782          | 2/9/99     | Frantzen          | 606/198 | 606/1    |
|                        | AH5            | 5,843,117          | 12/1/98    | Alt, et al.       | 606/194 | 623/1    |
|                        | AI5            | 5,855,600          | 1/5/99     | Alt               | 623/1   | 623/12   |
|                        | AJ5            | 5,824,045          | 10/20/98   | Alt               | 623/1   | 606/191  |
|                        | AK5            | 6,007,573          | 12/28/1999 | Wallace et al.    | 623/001 |          |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date    | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|---------|---------|-------|----------|------------------|
| AL5            | 0 442 303          | 8/21/91 | EPO     | C23C  | 16/26    |                  |
| AM5            | 10072319           | 10/5/99 | Japan   | B01D  | 59/34    |                  |
| AN5            | 51055724           | 5/17/76 | Japan   | A61C  | 013/00   |                  |
| AO5            | 01/56502           | 8/9/01  | WIPO    | A61F  | 2/06     |                  |
| AP5            | 99/62432           | 12/9/99 | WIPO    | A61F  | 2/06     |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR5 "Benefits From Diamond-Like Coated Stainless Steel Stents", <http://www.phytis.com/stents0.htm>, pp. 1-2

AS5 "Adhesion of Bovine Serum Albumin on Coated DLC (Diamond-Like) and Uncoated (SiO<sub>2</sub> / TiO<sub>2</sub>) Sensor Chips", <http://www.phytis.com/stent4.htm>, pp. 1-2

AT5 "Flow Cytometric Investigation", <http://www.phytis.com/stent6.htm>, pp. 1-3

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name         | Class   | Subclass |
|------------------------|----------------|--------------------|----------|--------------|---------|----------|
|                        | AA6            | 4,780,807          | 7/14/98  | Saunders     | 219/121 | 29/557   |
|                        | AB6            | 5,607,445          | 3/4/97   | Summers      | 606/198 | 623/1    |
|                        | AC6            | 5,776,161          | 7/7/98   | Globerman    | 606/194 | 606/192  |
|                        | AD6            | 5,593,442          | 1/14/97  | Klein        | 623/12  | 623/1    |
|                        | AE6            | 5,569,295          | 10/29/96 | Lam          | 606/198 | 606/195  |
|                        | AF6            | 5,514,154          | 5/7/96   | Lau, et al.  | 606/195 | 606/194  |
|                        | AG6            | 5,895,406          | 4/20/99  | Gray, et al. | 606/198 | 623/1    |
|                        | AH6            | 5,876,432          | 3/2/99   | Lau, et al.  | 623/1   | 623/12   |
|                        | AI6            | 6,015,429          | 1/18/00  | Lau, et al.  | 623/1   | 623/12   |
|                        | AJ6            | 5,919,225          | 7/6/99   | Lau, et al.  | 623/1   | 623/12   |
|                        | AK6            | 6,066,167          | 5/23/00  | Lau, et al.  | 623/1   |          |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date     | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|----------|---------|-------|----------|------------------|
| AL6            | 00/55181           | 9/21/00  | WIPO    | C07K  | 1/00     |                  |
| AM6            | 01/91918           | 12/6/01  | WIPO    | B05C  | 5/02     |                  |
| AN6            | 2110606            | 5/10/98  | Russian | C23C  | 14/34    |                  |
| AO6            | 2 777 771          | 10/29/99 | France  | A61F  | 2/06     |                  |
| AP6            | 199 37 638         | 5/17/01  | Germany | A61F  | 2/04     |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR6 "Pre-clinical and Clinical Evaluation", <http://www.phytis.com/stent2.htm>, pp. 1B2

AS6 "The New Phytis Stent", <http://www.phytis.com/stent1.htm>, pp. 1-2

AT6 "Invulnerability and Resistance of DLC-Coating", <http://www.phytis.com/stent3.htm>, pp. 1-3

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date       | Name            | Class      | Subclass |
|------------------------|----------------|--------------------|------------|-----------------|------------|----------|
|                        | AA7            | 6,066,168          | 5/23/00    | Lau, et al.     | 623/1      | 623/1.15 |
|                        | AB7            | 6,056,776          | 5/2/00     | Lau, et al.     | 623/1      | 623/12   |
|                        | AC7            | 5,603,721          | 2/18/97    | Lau, et al.     | 606/195    | 606/194  |
|                        | AD7            | 6,059,808          | 5/9/00     | Boussignac      | 606/191    | 606/194  |
|                        | AE7            | 6,033,433          | 3/7/00     | Ehr, et al.     | 623/1      | 623/12   |
|                        | AF7            | 6,027,526          | 2/22/00    | Limon, et al.   | 623/1      | 623/12   |
|                        | AG7            | 6,022,370          | 2/8/00     | Tower           | 606/194    | 606/195  |
|                        | AH7            | 6,458,152          | 10/01/2002 | Khosravi et al. | 623/001.13 |          |
|                        | AI7            | 6,066,169          | 5/23/00    | McGuiness       | 623/1.16   |          |
|                        | AJ7            | 5,277,933          | 1/11/94    | Claar, et al.   | 427/248    | 427/249  |
|                        | AK7            | 5,855,955          | 1/5/99     | Claar, et al.   | 427/248.1  | 427/249  |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date    | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|---------|---------|-------|----------|------------------|
| AL7            | 01/35865           | 5/25/01 | WIPO    | A61F  | 2/06     |                  |
| AM7            |                    |         |         |       |          |                  |
| AN7            |                    |         |         |       |          |                  |
| AO7            |                    |         |         |       |          |                  |
| AP7            |                    |         |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR7 "Material In Use and Its Biocompatibility", <http://www.phytis.com/stent5.htm>, pp. 1-2

AS7 "Expertise Concerning the Implementation of the PHYTIS DIAMOND AS STENT Performed at the Institute for Experimental Medicine (IEM)", <http://www.phytis.com/stent9.htm>, pp. 1

AT7 "PHYTIS L.D.A. Home Page information", <http://www.phytis.com/content/htm>, pp. 1-15

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name            | Class    | Subclass   |
|------------------------|----------------|--------------------|----------|-----------------|----------|------------|
|                        | AA8            | 5,945,153          | 8/31/99  | Deamaley        | 427/2.12 | 427/527    |
|                        | AB8            | 5,925,063          | 7/20/99  | Khosravi        | 606/200  | 606/213    |
|                        | AC8            | 5,061,914          | 10/29/91 | Busch, et al.   | 337/140  | 60/527     |
|                        | AD8            | 6,096,175          | 8/1/00   | Roth            | 204/192  | 204/192.14 |
|                        | AE8            | 5,907,893          | 6/1/99   | Zadno-Azizi     | 29/6.1   | 29/412     |
|                        | AF8            | 6,019,784          | 2/1/00   | Hines           | 623/1    | 600/36     |
|                        | AG8            | 5,545,210          | 8/13/98  | Hess, et al.    | 623/1    | 623/11     |
|                        | AH8            | 5,628,788          | 5/13/97  | Pinchuk         | 623/1    | 623/12     |
|                        | AI8            | 5,788,558          | 8/4/98   | Klein           | 451/136  | 451/113    |
|                        | AJ8            | 5,370,684          | 12/6/94  | Vallana, et al. | 623/1    | 623/11     |
|                        | AK8            | 5,049,251          | 9/17/91  | Inone           | 204/192  | 204/298    |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL8            |                    |      |         |       |          |                  |
| AM8            |                    |      |         |       |          |                  |
| AN8            |                    |      |         |       |          |                  |
| AO8            |                    |      |         |       |          |                  |
| AP8            |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR8 "Risk Analysis of Stents With a Diamond-Like Coated Surface For Use in Prosthetic Implants", <http://www.phytis.com/risk.htm>, pp. 1-6

AS8 "Directions for Use, DIAMOND AS® Stent", <http://www.phytis.com/direcuse.htm>, pp. 1-8

AT8 "Stents: Literature", <http://www.phytis.com/liter.htm>, pp. 1-8

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



**FORM PTO - 1449 (Modified)**  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107  
APPLICANT: C. Boyle et al.  
FILING DATE: September 26, 2003  
SERIAL NO: 10/672,695  
GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name               | Class     | Subclass   |
|------------------------|----------------|--------------------|----------|--------------------|-----------|------------|
|                        | AA9            | 5,133,845          | 7/28/92  | Vallana, et al.    | 204/192   | 204/192.11 |
|                        | AB9            | 5,421,955          | 6/6/95   | Lau, et al.        | 216/48    | 156/244    |
|                        | AC9            | 5,540,820          | 7/30/96  | Terakado, et al.   | 204/192.3 | 204/192.15 |
|                        | AD9            | 5,685,961          | 11/11/97 | Pourrezaei, et al. | 204/192   | 204/192.14 |
|                        | AE9            | 5,843,289          | 12/1/98  | Lee, et al.        | 204/192   | 204/192.32 |
|                        | AF9            | 5,855,802          | 1/5/99   | Acciai, et al.     | 216/8     | 216/56     |
|                        | AG9            | 5,951,881          | 9/14/99  | Rogers, et al.     | 216/41    | 216/8      |
|                        | AH9            | 5,649,977          | 7/22/97  | Campbell           | 623/001   |            |
|                        | AI9            | 5,728,150          | 3/17/98  | McDonald et al.    | 623/001   |            |
|                        | AJ9            | 5,733,303          | 3/31/98  | Israel et al.      | 606/198   |            |
|                        | AK9            | 6,013,855          | 1/22/00  | McPherson et al.   | 623/11    |            |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL9            |                    |      |         |       |          |                  |
| AM9            |                    |      |         |       |          |                  |
| AN9            |                    |      |         |       |          |                  |
| AO9            |                    |      |         |       |          |                  |
| AP9            |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR9 "The Effects of Ion Irradiation on NiTi Shape Memory Alloy Thin Films" by F. Goldberg and E. Knystautas, Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Grove, California, USA, pp. 177-182 (1997)

AS9 "Constitutive Parts of a Shape Memory Alloy Titanium Nickel Thin Film Catheter" by L. Buchailot, et al., Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Grove, California, USA, pp. 183-188 (1997)

AT9 "The Effect of HCD Technological Factors on the NiTi SMA Film Thickness" by Q. Pingshan, et al., Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Grove, California, USA, pp. 173-176 (1997)

EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name             | Class | Subclass |
|------------------------|----------------|--------------------|----------|------------------|-------|----------|
|                        | AA10           | 5,843,120          | 12/1/98  | Israel et al.    | 606   | 198      |
|                        | AB10           | 6,013,054          | 01/11/00 | Jiun Yan         | 604   | 096      |
|                        | AC10           | 6,042,605          | 03/28/00 | Martin et al.    | 623   | 001      |
|                        | AD10           | 6,103,320          | 08/15/00 | Matsumoto et al. | 427   | 535      |
|                        | AE10           | 6,113,750          | 09/5/00  | Shinmura et al.  | 204   | 192.15   |
|                        | AF10           | 6,120,536          | 09/19/00 | Ding et al.      | 623   | 011.43   |
|                        | AH10           | 6,120,847          | 09/19/00 | Yang et al.      | 427   | 335      |
|                        | AI10           | 6,124,523          | 09/26/00 | Banas et al.     | 623   | 011      |
|                        | AJ10           | 6,126,793          | 10/3/00  | Sugiyama et al.  | 204   | 192.23   |
|                        | AK10           | 2001/0039449       | 11/8/01  | Johnson et al.   |       |          |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL10           |                    |      |         |       |          |                  |
| AM10           |                    |      |         |       |          |                  |
| AN10           |                    |      |         |       |          |                  |
| AO10           |                    |      |         |       |          |                  |
| AP10           |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR10 "Microstructure of Ti-Rich TiNi Thin Films" by A. Ishida, et al., Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Grove, California, USA, pp. 161-166 (1997)

AS10 "Thin Film Shape Memory Alloy Microactuators" by TiNi Alloy Company (online)

AT10 "Progress in Thin Film Shape Memory Microactuators" by Johnson, et al., [www.sma-mems.com/recent.htm](http://www.sma-mems.com/recent.htm) (Overview),

pp 1-5

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name             | Class      | Subclass |
|------------------------|----------------|--------------------|----------|------------------|------------|----------|
|                        | AA11           | 6,136,258          | 10/24/00 | Wang et al.      | 264/514    |          |
|                        | AB11           | 6,190,404          | 2/20/01  | Palmar et al.    | 623/001.15 |          |
|                        | AC11           | 6,202,304          | 3/20/01  | Shatz            | 029/896.6  |          |
|                        | AD11           | 6,207,536          | 3/27/01  | Matsumoto et al. | 438/478    |          |
|                        | AE11           | 2001/0000188       | 4/5/01   | Lenker et al.    |            |          |
|                        | AF11           | 6,245,104          | 6/12/01  | Alt              | 623/001.46 |          |
|                        | AG11           | 6,264,687          | 7/24/01  | Tomonto          | 623/001.16 |          |
|                        | AH11           | 6,274,014          | 8/14/01  | Matsumoto et al. | 204/298.11 |          |
|                        | AI11           | 6,280,467          | 8/28/01  | Leonhardt        | 623/001.16 |          |
|                        | AJ11           | 2001/0019847       | 9/6/01   | Ori et al.       |            |          |
|                        | AK11           | 6,287,277          | 9/11/01  | Yan              | 604/096.01 |          |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL11           |                    |      |         |       |          |                  |
| AM11           |                    |      |         |       |          |                  |
| AN11           |                    |      |         |       |          |                  |
| AO11           |                    |      |         |       |          |                  |
| AP11           |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR11 "A Concise History of Vacuum Coating Technology, Part 2: 1940 to 1975" by D. Mattox, [www.svc.org/HistoryofVac2.html](http://www.svc.org/HistoryofVac2.html), pp 1-15

AS11 "Model Surfaces for Studying and Controlling the Adhesion of Cells" by M. Mrksich, AVS 47<sup>th</sup> International Symposium, Invited Paper No. BI+EL-TuA1 (October 3, 2000)

AT11 "Cell Response to Chemically and Topographically Modified Surfaces" by D.S. Sutherland, et al., AVS 47<sup>th</sup> International Symposium, Paper No. BI+EL-TuA3 (October 3, 2000)

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107  
APPLICANT: C. Boyle et al.  
FILING DATE: September 26, 2003  
SERIAL NO: 10/672,695  
GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name            | Class      | Subclass |
|------------------------|----------------|--------------------|----------|-----------------|------------|----------|
|                        | AA12           | 6,287,329          | 9/11/01  | Duerig et al.   | 623/001.11 |          |
|                        | AB12           | 6,287,435          | 9/11/01  | Drewery et al.  | 204/298.09 |          |
|                        | AC12           | 6,287,628          | 9/11/01  | Hossainy et al. | 427/002.3  |          |
|                        | AD12           | 2001/0021870       | 9/13/01  | Edwin et al.    |            |          |
|                        | AE12           | 6,290,720          | 9/18/01  | Khosravi et al. | 623/001.13 |          |
|                        | AF12           | 6,290,721          | 9/18/01  | Heath           | 623/001.15 |          |
|                        | AG12           | 6,293,967          | 9/25/01  | Shanley         | 623/001.15 |          |
|                        | AH12           | 2001/0025131       | 9/27/01  | Edwin et al.    |            |          |
|                        | AI12           | 6,299,604          | 10/9/01  | Ragheb et al.   | 604/265    |          |
|                        | AJ12           | 2001/0032013       | 10/18/01 | Marton          |            |          |
|                        | AK12           | 2001/0037144       | 11/1/01  | Kim et al.      |            |          |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL12           |                    |      |         |       |          |                  |
| AM12           |                    |      |         |       |          |                  |
| AN12           |                    |      |         |       |          |                  |
| AO12           |                    |      |         |       |          |                  |
| AP12           |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR12 "The Nanomechanical Properties of Thin Films" by J.E. Houston, AVS 47<sup>th</sup> International Symposium, Paper No. TF-TuA1 (October 3, 2000)

AS12 "Anomalous Plastic and Elastic Behaviors of Sputter-deposited TiNi with 10 or 20 Inserted Thin A1 Layers Evaluated by Nanoindentation" by E. Kusano, et al., AVS 47<sup>th</sup> International Symposium, Paper No. TF-TuA3 (October 3, 2000)

AT12 "Recent Progress in the Application of Thin Film Shape Memory Alloys" by A.D. Johnson and J.D. Busch, Proceedings of the First International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Grove, California, USA, pp. 299-310 (1994)

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107  
APPLICANT: C. Boyle et al.  
FILING DATE: September 26, 2003  
SERIAL NO: 10/672,695  
GROUP: 3731

### U.S. PATENT DOCUMENTS

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name          | Class      | Subclass |
|------------------------|----------------|--------------------|----------|---------------|------------|----------|
|                        | AA13           | 6,312,463          | 11/6/01  | Rourke et al. | 623/001.39 |          |
|                        | AB13           | 6,315,708          | 11/13/01 | Salmon et al. | 600/003    |          |
|                        | AC13           | 6,315,794          | 11/13/01 | Richter       | 623/001.34 |          |
|                        | AD13           | 6,331,191          | 12/18/01 | Chobotov      | 623/001.44 |          |
|                        | AE13           | 2002/0013616       | 1/31/02  | Carter et al. |            |          |
|                        | AF13           | 5,455,100          | 10/3/95  | White         | 428        | 131      |
|                        | AG13           | 4,657,544          | 4/14/87  | Pinchuk       | 623        | 1        |
|                        | AH13           | 4,073,999          | 2/14/78  | Bryan, et al. | 428        | 311      |
|                        | AI13           | 5,207,709          | 5/4/93   | Picha         | 623        | 11       |
|                        | AJ13           | 6,240,616          | 6/5/01   | Yan           | 29         | 527.2    |
|                        | AK13           | 6,327,772          | 12/11/01 | Zadno-Azizi   | 29         | 557      |

### FOREIGN PATENT DOCUMENTS

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL13           |                    |      |         |       |          |                  |
| AM13           |                    |      |         |       |          |                  |
| AN13           |                    |      |         |       |          |                  |
| AO13           |                    |      |         |       |          |                  |
| AP13           |                    |      |         |       |          |                  |

### OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR13 "Thin-film Processing of TiNi Shape Memory Alloy" by J.A. Waker and K.J. Gabriel, Sensors and Actuators, A21-A23, pp. 243-246 (1990)

AS13 "Sputter-deposition of TiNi, TiNiPd and TiPd films displaying the two-way shape-memory effect" by E. Quandt, et al., Sensors and Actuators, A 53, pp. 434-439 (1996)

AT13 "Applications of Shape-Memory Alloy Thin Films" by A.D. Johnson and V.V. Martynov, Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Grove, California, USA, pp. 1-8 (1997)

EXAMINER

DATE CONSIDERED

**EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.**

**FORM PTO - 1449 (Modified)**

List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107  
APPLICANT: C. Boyle et al.  
FILING DATE: September 26, 2003  
SERIAL NO: 10/672,695  
GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name             | Class | Subclass |
|------------------------|----------------|--------------------|----------|------------------|-------|----------|
|                        | AA14           | 5,938,697          | 8/17/99  | Killion, et al.  | 623/1 | 623/12   |
|                        | AB14           | 2001/0011158       | 8/2/01   | Howland          | 600   | 585      |
|                        | AC14           | 2001/0037146       | 11/1/01  | Lau, et al.      | 623   | 1.16     |
|                        | AD14           | 2001/0047201       | 11/29/01 | Cox, et al.      | 623   | 1.16     |
|                        | AE14           | 2001/0047200       | 11/29/01 | White, et al.    | 623   | 1.15     |
|                        | AF14           | 2001/0021570       | 9/13/01  | Lin, et al.      | 438   | 455      |
|                        | AG14           | 6,312,456          | 11/6/01  | Krantz, et al.   | 623   | 1.13     |
|                        | AH14           | 6,016,693          | 1/25/00  | Viani, et al.    | 73    | 105      |
|                        | AI14           | 6,331,190          | 12/18/01 | Shokoohi, et al. | 623   | 1.22     |
|                        | AJ14           | 6,348,066          | 2/19/02  | Pinchuk, et al.  | 623   | 1.16     |
|                        | AK14           | 6,361,637          | 3/26/02  | Martin, et al.   | 156   | 187      |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL14           |                    |      |         |       |          |                  |
| AM14           |                    |      |         |       |          |                  |
| AN14           |                    |      |         |       |          |                  |
| AO14           |                    |      |         |       |          |                  |
| AP14           |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR14 "Role of Bio-Physiochemical Parameters in Cell Adhesion and Rolling-Simulation Analysis" by A. Alshorman, T. David and P. Walker, BED, Vol. 50, pp. 209-210 (2001)

AS14 "Thin Film Shape Memory Microvalves with Adjustable Operation Temperature" by M. Kohl, D. Kittman, E. Quandt and B. Winzek, Sensors and Actuators, Vol. 83, pp. 214-219 (2000)

AT14 "A Temperature-Controlling Device for Refrigerators" by M.C. Shin, K.K. Jee and B.C. Ku, Proceedings of the First International Conference of Shape Memory and Superelastic Technologies, pp. 305-310 (1994)

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name               | Class | Subclass |
|------------------------|----------------|--------------------|----------|--------------------|-------|----------|
|                        | AA15           | 5,954,724          | 9/21/99  | Davidson           | 606   | 76       |
|                        | AB15           | 5,932,036          | 8/3/99   | Fukai              | 148   | 670      |
|                        | AC15           | 5,482,574          | 1/9/96   | Goldstein          | 148   | 517      |
|                        | AD15           | 5,508,116          | 4/16/96  | Barrett            | 428   | 567      |
|                        | AE15           | 5,578,149          | 11/26/96 | DeScheerder        | 148   | 563      |
|                        | AF15           | 5,597,378          | 1/28/97  | Jervis             | 606   | 78       |
|                        | AG15           | 5,597,458          | 1/18/97  | Sanchez, Jr.       | 204   | 192.3    |
|                        | AH15           | 5,624,508          | 4/29/97  | Flomenblit, et al. | 148   | 510      |
|                        | AI15           | 5,635,144          | 6/3/97   | Aklufit            | 422   | 186.05   |
|                        | AJ15           | 6,284,316          | 9/4/01   | Sandhu, et al.     | 427   | 255.391  |
|                        | AK15           | 6,287,430          | 9/11/01  | Matsumoto, et al.  | 204   | 192.26   |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL15           |                    |      |         |       |          |                  |
| AM15           |                    |      |         |       |          |                  |
| AN15           |                    |      |         |       |          |                  |
| AO15           |                    |      |         |       |          |                  |
| AP15           |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR15 "The Experimental Use of Steel Mesh Tubes for the Replacement of Arterial Segments" by Larry, Banning G., M.D., et al, Presented at the Third Scientific Meeting of the North American Chapter of the International Society of Angiology, Atlantic City, NJ, pp. 69-75, June 4 1955

AS15 Abstract: "Relative importance of bombardment energy and intensity in ion plating" by K.S. Fancey, C.A. Porter and A. Matthews, Journal of Vacuum Science & Technology A: Vacuum, Surfaces, and Films, March 1995, Vol. 13, Issue s, pp. 428-435

AT15 Abstract: "Oriented nickel-titanium shape memory alloy films prepared by annealing during deposition" by K. Gisser, J. Bussch and A. Johnson and A. Ellis, Applied Physics Letters, October 1992, Vol. 61, Issue 14, pp. 1632-1634

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name             | Class | Subclass |
|------------------------|----------------|--------------------|----------|------------------|-------|----------|
|                        | AA16           | 4,665,906          | 5/19/87  | Jervis           | 128   | 92       |
|                        | AB16           | 5,190,546          | 3/2/93   | Jervis           | 606   | 78       |
|                        | AC16           | 5,358,615          | 10/25/94 | Grant, et al.    | 204   | 192.15   |
|                        | AD16           | 6,248,401          | 6/19/01  | Chiang, et al.   | 427   | 255.7    |
|                        | AE16           | 6,253,441          | 7/3/01   | Wheat, et al.    | 29    | 527.2    |
|                        | AF16           | 2001/0003146       | 6/7/01   | Jalisi, et al.   | 600   | 585      |
|                        | AG16           | 6,238,491          | 5/29/01  | Davidson, et al. | 148   | 237      |
|                        | AH16           | 2001/0055654       | 12/27/01 | Halpern          | 427   | 600      |
|                        | AI16           | 2001/0055647       | 12/27/01 | Tamura, et al.   | 427   | 177      |
|                        | AJ16           | 6,306,276          | 10/23/01 | Nobe, et al.     | 205   | 238      |
|                        | AK16           | 6,306,141          | 10/23/01 | Jervis           | 606   | 78       |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL16           |                    |      |         |       |          |                  |
| AM16           |                    |      |         |       |          |                  |
| AN16           |                    |      |         |       |          |                  |
| AO16           |                    |      |         |       |          |                  |
| AP16           |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR16 Abstract: "Vacuum conditions for sputtering thin film TiNi" by A. Peter Jardine, Journal of Vacuum Science & Technology A: Vacuum, Surfaces, and Films, May 1995, Vol. 13, Issue 3, pp. 1058-1062

AS16 Multicomponent Film Deposition by Target Biasing", IBM Technical Disclosure Bulletin, pp. 1-2 (July 1980)

AT16 "Shape Memory Properties in NiTi Sputter-deposited Film", by J.D. Busch and A.D. Johnson, JAppl. Phys., Vol. 68, No. 12, pp. 6224-6226 (December 15, 1990)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



**FORM PTO - 1449 (Modified)**  
 List of Patents and Publications  
 For Applicant's Information  
 Disclosure Statement  
 (Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107  
 APPLICANT: C. Boyle et al.  
 FILING DATE: September 26, 2003  
 SERIAL NO: 10/672,695  
 GROUP: 3731

### U.S. PATENT DOCUMENTS

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date    | Name               | Class | Subclass |
|------------------------|----------------|--------------------|---------|--------------------|-------|----------|
|                        | AA17           | 6,299,604          | 10/9/01 | Richter            | 205   | 238      |
|                        | AB17           | 6,293,966          | 9/25/01 | Frantzen           | 623   | 1.15     |
|                        | AC17           | 6,231,923          | 5/15/01 | Teverovsky, et al. | 427   | 248.1    |
|                        | AD17           | 6,217,952          | 4/17/01 | Sugiyama, et al.   | 427   | 577      |
|                        | AE17           | 6,203,505          | 3/20/01 | Jalisi, et al.     | 600   | 585      |
|                        | AF17           | 2001/0000043       | 3/15/01 | Israel, et al.     | 606   | 198      |
|                        | AG17           | 6,194,088          | 2/27/01 | Yoshida, et al.    | 428   | 660      |
|                        | AH17           | 6,190,407          | 2/20/01 | Ogle, et al.       | 623   | 1.51     |
|                        | AI17           | 6,173,672          | 1/19/01 | Shapard, Jr.       | 118   | 723      |
|                        | AJ17           | 6,156,373          | 12/5/00 | Zhong, et al.      | 427   | 2028     |
|                        | AK17           | H1,924             | 12/5/00 | Zabinski, et al.   | 204   | 192.16   |

### FOREIGN PATENT DOCUMENTS

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL17           |                    |      |         |       |          |                  |
| AM17           |                    |      |         |       |          |                  |
| AN17           |                    |      |         |       |          |                  |
| AO17           |                    |      |         |       |          |                  |
| AP17           |                    |      |         |       |          |                  |

### OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR17 "Endothelial Cell Organization on Micropatterned Protein Surfaces" by R. Daw, et al., AVS 47<sup>th</sup> International Symposium, Paper No. BI-WeP21 (October 4, 2000)

AS17 "Tissue Formation of Hepatocytes on Micro-Porous Films of Polylactide" by T. Nishikawa, et al., AVS 47<sup>th</sup> International Symposium, Paper No. BI+EL-TuA10 (October 3, 2000)

AT17 "Sputtering Targets High-Quality Thin Film Materials" by AMETEK Specialty Metal Products online at [www.ametek84.com/fd-sputtering.html](http://www.ametek84.com/fd-sputtering.html), pp. 1-3

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name              | Class | Subclass |
|------------------------|----------------|--------------------|----------|-------------------|-------|----------|
|                        | AA18           | 6,156,052          | 12/5/00  | Richter, et al.   | 606   | 191      |
|                        | AB18           | 6,149,742          | 11/21/00 | Carpenter, et al. | 148   | 563      |
|                        | AC18           | 6,261,320          | 7/17/01  | Tam, et al.       | 623   | 1.15     |
|                        | AD18           | 6,264,595          | 7/24/01  | Defino, et al.    | 600   | 1        |
|                        | AE18           | 2001/0009169       | 7/26/01  | Kajiwar, et al.   | 148   | 563      |
|                        | AF18           | 2001/0009220       | 7/26/01  | Mizuno, et al.    | 427   | 569      |
|                        | AG18           | 6,267,782          | 7/31/01  | Ogle, et al.      | 623   | 1.1      |
|                        | AH18           | 6,267,867          | 7/31/01  | Olson             | 205   | 640      |
|                        | AI18           | 6,258,417          | 7/10/01  | Goswami, et al.   | 427   | 452      |
|                        | AJ18           | 6,258,182          | 7/10/01  | Schetky, et al.   | 148   | 402      |
|                        | AK18           | 6,258,121          | 7/10/01  | Yang, et al.      | 623   | 1.46     |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL18           |                    |      |         |       |          |                  |
| AM18           |                    |      |         |       |          |                  |
| AN18           |                    |      |         |       |          |                  |
| AO18           |                    |      |         |       |          |                  |
| AP18           |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR18 "The influence of ion irradiation during film growth on the chemical stability of film/substrate systems" by W. Ensinger, Surface and Coatings Technology, Vol. 80, pp. 35-48 (1996)

AS18 "The Characteristics of NiTi HCD-Deposited SMA Films" by H. Weixin, et al., Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Grove, California, USA, pp. 167-172 (1997)

AT18

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name               | Class | Subclass |
|------------------------|----------------|--------------------|----------|--------------------|-------|----------|
|                        | AA19           | 6,264,598          | 7/24/01  | Armini             | 600   | 3        |
|                        | AB19           | 6,113,705          | 9/5/00   | Ohashi, et al.     | 118   | 730      |
|                        | AC19           | 6,136,159          | 10/24/00 | Buckfeller, et al. | 204   | 192.13   |
|                        | AD19           | 6,126,761          | 10/3/00  | DeHaven, et al.    | 148   | 518      |
|                        | AE19           | 6,120,536          | 9/19/00  | Ding, et al.       | 623   | 1.43     |
|                        | AF19           | 6,113,982          | 9/5/00   | Claar, et al.      | 427   | 248.1    |
|                        | AG19           | 5,843,120          | 12/1/98  | Israel, et al.     | 606   | 198      |
|                        | AH19           | 5,853,419          | 12/29/98 | Imran              | 606   | 191      |
|                        | AI19           | 2002/0042649       | 4/11/02  | Schaldach, et al.  | 623   | 1.15     |
|                        | AJ19           | 6,309,414          | 10/30/01 | Rolando, et al.    | 623   | 1.15     |
|                        | AK19           | 2001/0165600       | 11/7/02  | Banas, et al.      | 623   | 1.11     |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL19           |                    |      |         |       |          |                  |
| AM19           |                    |      |         |       |          |                  |
| AN19           |                    |      |         |       |          |                  |
| AO19           |                    |      |         |       |          |                  |
| AP19           |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR19

AS19

AT19

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

**FORM PTO - 1449 (Modified)**

List of Patents and Publications

For Applicant's Information

Disclosure Statement

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-107

APPLICANT: C. Boyle et al.

FILING DATE: September 26, 2003

SERIAL NO: 10/672,695

GROUP: 3731

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials | Ref.<br>Desig. | Document<br>Number | Date     | Name             | Class | Subclass |
|------------------------|----------------|--------------------|----------|------------------|-------|----------|
|                        | AA20           | 6,322,585          | 11/27/01 | Khosravi, et al. | 623   | 1.11     |
|                        | AB20           | 6,334,868          | 1/1/02   | Ham              | 623   | 1.13     |
|                        | AC20           | 6,387,122          | 5/14/02  | Cragg            | 623   | 1.16     |
|                        | AD20           | 6,383,214          | 5/7/02   | Banas, et al.    | 623   | 1.14     |
|                        | AE20           | 6,346,119          | 2/12/02  | Kuwahara, et al. | 623   | 1.13     |
|                        | AF20           |                    |          |                  |       |          |
|                        | AG20           |                    |          |                  |       |          |
|                        | AH20           |                    |          |                  |       |          |
|                        | AI20           |                    |          |                  |       |          |
|                        | AJ20           |                    |          |                  |       |          |
|                        | AK20           |                    |          |                  |       |          |

**FOREIGN PATENT DOCUMENTS**

| Ref.<br>Desig. | Document<br>Number | Date | Country | Class | Subclass | Trans.<br>Yes No |
|----------------|--------------------|------|---------|-------|----------|------------------|
| AL20           |                    |      |         |       |          |                  |
| AM20           |                    |      |         |       |          |                  |
| AN20           |                    |      |         |       |          |                  |
| AO20           |                    |      |         |       |          |                  |
| AP20           |                    |      |         |       |          |                  |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR20

AS20

AT20

/Christopher Prone/  
EXAMINER09/28/2009  
DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.